

# Vanessa Fierro

## List of Publications by Citations

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329  
papers

9,747  
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53  
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82  
g-index

356  
ext. papers

11,214  
ext. citations

5.9  
avg, IF

6.53  
L-index

#	Paper	IF	Citations
329	Adsorption of phenol onto activated carbons having different textural and surface properties. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 111, 276-284	5.3	372
328	2-Steps KOH activation of rice straw: an efficient method for preparing high-performance activated carbons. <i>Bioresource Technology</i> , <b>2009</b> , 100, 3941-7	11	214
327	Hollow carbon spheres, synthesis and applications [a] review. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12686-12713	13	208
326	Tetracycline adsorption onto activated carbons produced by KOH activation of tyre pyrolysis char. <i>Chemosphere</i> , <b>2016</b> , 149, 168-76	8.4	175
325	Ethanol reforming for hydrogen production in a hybrid electric vehicle: process optimisation. <i>Journal of Power Sources</i> , <b>2002</b> , 105, 26-34	8.9	170
324	Tannin-based carbon foams. <i>Carbon</i> , <b>2009</b> , 47, 1480-1492	10.4	164
323	Tannin-based rigid foams: a survey of chemical and physical properties. <i>Bioresource Technology</i> , <b>2009</b> , 100, 5162-9	11	159
322	Activated carbons prepared from wood particleboard wastes: characterisation and phenol adsorption capacities. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 166, 491-501	12.8	147
321	Ethanol oxidative steam reforming over Ni-based catalysts. <i>Journal of Power Sources</i> , <b>2005</b> , 145, 659-668	8.9	127
320	Oxidative reforming of biomass derived ethanol for hydrogen production in fuel cell applications. <i>Catalysis Today</i> , <b>2002</b> , 75, 141-144	5.3	126
319	Arsenic removal by iron-doped activated carbons prepared by ferric chloride forced hydrolysis. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 168, 430-7	12.8	124
318	On-board hydrogen production in a hybrid electric vehicle by bio-ethanol oxidative steam reforming over Ni and noble metal based catalysts. <i>Green Chemistry</i> , <b>2003</b> , 5, 20-24	10	118
317	Kraft lignin as a precursor for microporous activated carbons prepared by impregnation with ortho-phosphoric acid: Synthesis and textural characterisation. <i>Microporous and Mesoporous Materials</i> , <b>2006</b> , 92, 243-250	5.3	116
316	Nitrogen-doped carbon materials produced from hydrothermally treated tannin. <i>Carbon</i> , <b>2012</b> , 50, 5411-5420	11.4	110
315	New tannin-based aerogels. <i>Industrial Crops and Products</i> , <b>2013</b> , 41, 347-355	5.9	108
314	Influence of porous texture and surface chemistry on the CO <sub>2</sub> adsorption capacity of porous carbons: acidic and basic site interactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 21237-47	9.5	107
313	Rice straw as precursor of activated carbons: activation with ortho-phosphoric acid. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 181, 27-34	12.8	105

312	Activated carbons from lignin: kinetic modeling of the pyrolysis of Kraft lignin activated with phosphoric acid. <i>Chemical Engineering Journal</i> , <b>2005</b> , 106, 1-12	14.7	105
311	Methodical study of the chemical activation of Kraft lignin with KOH and NaOH. <i>Microporous and Mesoporous Materials</i> , <b>2007</b> , 101, 419-431	5.3	103
310	Synthesis, characterization and performance in arsenic removal of iron-doped activated carbons prepared by impregnation with Fe(III) and Fe(II). <i>Journal of Hazardous Materials</i> , <b>2009</b> , 165, 893-902	12.8	100
309	Review of the current technologies and performances of hydrogen compression for stationary and automotive applications. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 102, 150-170	16.2	98
308	Preparing a Suitable Material Designed for Methane Storage: A Comprehensive Report. <i>Energy &amp; Fuels</i> , <b>2005</b> , 19, 573-583	4.1	97
307	The use of tannin to prepare carbon gels. Part I: Carbon aerogels. <i>Carbon</i> , <b>2011</b> , 49, 2773-2784	10.4	96
306	Pine tannin-based rigid foams: Mechanical and thermal properties. <i>Industrial Crops and Products</i> , <b>2013</b> , 43, 245-250	5.9	89
305	Biopolymers-based nanocomposites: Membranes from propionated lignin and cellulose for water purification. <i>Carbohydrate Polymers</i> , <b>2011</b> , 86, 732-741	10.3	86
304	Effect of composition and processing parameters on the characteristics of tannin-based rigid foams. Part I: Cell structure. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 122, 175-182	4.4	85
303	PLA with Intumescent System Containing Lignin and Ammonium Polyphosphate for Flame Retardant Textile. <i>Polymers</i> , <b>2016</b> , 8,	4.5	85
302	Lignin-phenol-formaldehyde aerogels and cryogels. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 168, 19-29	5.3	84
301	Mechanical properties of tannin-based rigid foams undergoing compression. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2010</b> , 527, 4438-4448	5.3	84
300	The use of tannin to prepare carbon gels. Part II. Carbon cryogels. <i>Carbon</i> , <b>2011</b> , 49, 2785-2794	10.4	79
299	Model predictions and experimental results on self-heating prevention of stockpiled coals. <i>Fuel</i> , <b>2001</b> , 80, 125-134	7.1	75
298	Catalytic decomposition of methane over a wood char concurrently activated by a pyrolysis gas. <i>Applied Catalysis A: General</i> , <b>2008</b> , 346, 164-173	5.1	74
297	Comparison of the thermal, dynamic mechanical and morphological properties of PLA-Lignin & PLA-Tannin particulate green composites. <i>Composites Part B: Engineering</i> , <b>2015</b> , 82, 92-99	10	73
296	Experimental evidence of an upper limit for hydrogen storage at 77 K on activated carbons. <i>Carbon</i> , <b>2010</b> , 48, 1902-1911	10.4	68
295	Study of the decomposition of kraft lignin impregnated with orthophosphoric acid. <i>Thermochimica Acta</i> , <b>2005</b> , 433, 142-148	2.9	68

294	Prevention of spontaneous combustion in coal stockpiles: Experimental results in coal storage yard. <i>Fuel Processing Technology</i> , <b>1999</b> , 59, 23-34	7.2	68
293	Tailoring the structure of cellular vitreous carbon foams. <i>Carbon</i> , <b>2012</b> , 50, 2026-2036	10.4	67
292	Removal of Lignin and Associated Impurities from Xylo-oligosaccharides by Activated Carbon Adsorption. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 2294-2302	3.9	67
291	Effect of composition and processing parameters on the characteristics of tannin-based rigid foams. Part II: Physical properties. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 123, 210-217	4.4	66
290	Flammability assessment of tannin-based cellular materials. <i>Polymer Degradation and Stability</i> , <b>2011</b> , 96, 477-482	4.7	65
289	Influence of the demineralisation on the chemical activation of Kraft lignin with orthophosphoric acid. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 149, 126-33	12.8	65
288	A new method for preparing tannin-based foams. <i>Industrial Crops and Products</i> , <b>2014</b> , 54, 40-53	5.9	64
287	Biopolymer-based nanocomposites: effect of lignin acetylation in cellulose triacetate films. <i>Science and Technology of Advanced Materials</i> , <b>2011</b> , 12, 045006	7.1	64
286	Electromagnetic properties of model vitreous carbon foams. <i>Carbon</i> , <b>2017</b> , 122, 217-227	10.4	63
285	Activated carbons doped with Pd nanoparticles for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 5072-5080	6.7	62
284	Optimization of activated carbons for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 11746-11751	6.7	62
283	Tetracycline removal with activated carbons produced by hydrothermal carbonisation of Agave americana fibres and mimosa tannin. <i>Industrial Crops and Products</i> , <b>2018</b> , 115, 146-157	5.9	58
282	Epoxy composites filled with high surface area-carbon fillers: Optimization of electromagnetic shielding, electrical, mechanical, and thermal properties. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 164304	2.5	58
281	Cytotoxicity and genotoxicity of nanosized and microsized titanium dioxide and iron oxide particles in Syrian hamster embryo cells. <i>Annals of Occupational Hygiene</i> , <b>2012</b> , 56, 631-44		58
280	Hydrothermally treated aminated tannin as precursor of N-doped carbon gels for supercapacitors. <i>Carbon</i> , <b>2015</b> , 90, 63-74	10.4	55
279	Pore structure and electrochemical performances of tannin-based carbon cryogels. <i>Biomass and Bioenergy</i> , <b>2012</b> , 39, 274-282	5.3	54
278	Mayonnaise, whipped cream and meringue, a new carbon cuisine. <i>Carbon</i> , <b>2013</b> , 58, 245-248	10.4	54
277	Emulsion-templated porous carbon monoliths derived from tannins. <i>Carbon</i> , <b>2014</b> , 74, 352-362	10.4	54

276	Aromatic polyamides as new precursors of nitrogen and oxygen-doped ordered mesoporous carbons. <i>Carbon</i> , <b>2014</b> , 70, 119-129	10.4	53
275	Electromagnetic shielding efficiency in Ka-band: carbon foam versus epoxy/carbon nanotube composites. <i>Journal of Nanophotonics</i> , <b>2012</b> , 6, 061715	1.1	53
274	Oxidative Steam Reforming of Ethanol over Ni/Ti/SiO <sub>2</sub> , Rh/Al <sub>2</sub> O <sub>3</sub> and Ir/CeO <sub>2</sub> : Effect of Metal and Support on Reaction Mechanism. <i>Topics in Catalysis</i> , <b>2008</b> , 51, 22-38	2.3	53
273	Kinetics of the hydrothermal treatment of tannin for producing carbonaceous microspheres. <i>Bioresource Technology</i> , <b>2014</b> , 151, 271-7	11	52
272	Thermal conductivity improvement of composite carbon foams based on tannin-based disordered carbon matrix and graphite fillers. <i>Materials and Design</i> , <b>2015</b> , 83, 635-643	8.1	51
271	Reaction of condensed tannins with ammonia. <i>Industrial Crops and Products</i> , <b>2013</b> , 44, 330-335	5.9	51
270	Effect of deashing rice straws on their derived activated carbons produced by phosphoric acid activation. <i>Biomass and Bioenergy</i> , <b>2011</b> , 35, 1954-1959	5.3	51
269	Activated carbons with appropriate micropore size distribution for hydrogen adsorption. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 5431-5434	6.7	51
268	Structure and electrochemical capacitance of carbon cryogels derived from phenol-formaldehyde resins. <i>Carbon</i> , <b>2010</b> , 48, 3874-3883	10.4	51
267	Highly mesoporous organic aerogels derived from soy and tannin. <i>Green Chemistry</i> , <b>2012</b> , 14, 3099	10	50
266	Adsorption and compression contributions to hydrogen storage in activated anthracites. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 9038-9045	6.7	50
265	Enhanced resolution of ultra micropore size determination of biochars and activated carbons by dual gas analysis using N <sub>2</sub> and CO <sub>2</sub> with 2D-NLDFT adsorption models. <i>Carbon</i> , <b>2019</b> , 144, 206-215	10.4	50
264	Outstanding electrochemical performance of highly N- and O-doped carbons derived from pine tannin. <i>Green Chemistry</i> , <b>2017</b> , 19, 2653-2665	10	49
263	Flexible natural tannin-based and protein-based biosourced foams. <i>Industrial Crops and Products</i> , <b>2012</b> , 37, 389-393	5.9	49
262	Tannin-based xerogels with distinctive porous structures. <i>Biomass and Bioenergy</i> , <b>2013</b> , 56, 437-445	5.3	49
261	Carbon periodic cellular architectures. <i>Carbon</i> , <b>2015</b> , 88, 70-85	10.4	48
260	Electrochemical Reduction of Oxygen on Hydrophobic Ultramicroporous PolyHIPE Carbon. <i>ACS Catalysis</i> , <b>2016</b> , 6, 5618-5628	13.1	48
259	Physicochemical characterisation of sugar cane bagasse lignin oxidized by hydrogen peroxide. <i>Polymer Degradation and Stability</i> , <b>2010</b> , 95, 470-476	4.7	47

258	Green, formaldehyde-free, foams for thermal insulation. <i>Advanced Materials Letters</i> , <b>2011</b> , 2, 378-382	2.4	47
257	Study of modified calcium hydroxides for enhancing SO <sub>2</sub> removal during sorbent injection in pulverized coal boilers. <i>Fuel</i> , <b>1997</b> , 76, 257-265	7.1	46
256	Excellent electrochemical performances of nanocast ordered mesoporous carbons based on tannin-related polyphenols as supercapacitor electrodes. <i>Journal of Power Sources</i> , <b>2017</b> , 344, 15-24	8.9	45
255	Hydrogen storage in activated carbons produced from coals of different ranks: Effect of oxygen content. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 4996-5002	6.7	45
254	Easy and eco-friendly synthesis of ordered mesoporous carbons by self-assembly of tannin with a block copolymer. <i>Green Chemistry</i> , <b>2016</b> , 18, 3265-3271	10	44
253	Tannin/furanic foams without blowing agents and formaldehyde. <i>Industrial Crops and Products</i> , <b>2013</b> , 49, 17-22	5.9	44
252	Acoustic properties of cellular vitreous carbon foams. <i>Carbon</i> , <b>2013</b> , 58, 76-86	10.4	44
251	X-ray microtomography studies of tannin-derived organic and carbon foams. <i>Microscopy and Microanalysis</i> , <b>2009</b> , 15, 384-94	0.5	43
250	Assessment of hydrogen storage in activated carbons produced from hydrothermally treated organic materials. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 12146-12156	6.7	42
249	Effect of micropores diffusion on kinetics of CH <sub>4</sub> decomposition over a wood-derived carbon catalyst. <i>Applied Catalysis A: General</i> , <b>2009</b> , 360, 120-125	5.1	42
248	Adsorption of Bisphenol A on KOH-activated tyre pyrolysis char. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 823-833	6.8	40
247	Hydrogen uptake of high surface area-activated carbons doped with nitrogen. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 10453-10460	6.7	40
246	High surface area highly N-doped carbons from hydrothermally treated tannin. <i>Industrial Crops and Products</i> , <b>2015</b> , 66, 282-290	5.9	40
245	Effect of the pyrolysis process on the physicochemical and mechanical properties of smokeless fuel briquettes. <i>Fuel Processing Technology</i> , <b>2001</b> , 74, 1-17	7.2	40
244	Synthesis of perfectly ordered mesoporous carbons by water-assisted mechanochemical self-assembly of tannin. <i>Green Chemistry</i> , <b>2018</b> , 20, 5123-5132	10	40
243	Flocculation of cellulose fibres: new comparison of crowding factor with percolation and effective-medium theories. <i>Cellulose</i> , <b>2009</b> , 16, 983-987	5.5	39
242	Modelling the reactions of cellulose, hemicellulose and lignin submitted to hydrothermal treatment. <i>Industrial Crops and Products</i> , <b>2018</b> , 124, 919-930	5.9	39
241	Mechanical properties of model vitreous carbon foams. <i>Carbon</i> , <b>2017</b> , 116, 562-571	10.4	37

240	Ultralow cost reticulated carbon foams from household cleaning pad wastes. <i>Carbon</i> , <b>2013</b> , 62, 517-520	10.4	37
239	Hollow carbon spheres in microwaves: Bio inspired absorbing coating. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 013701	3.4	37
238	Carbon meringues derived from flavonoid tannins. <i>Carbon</i> , <b>2013</b> , 65, 214-227	10.4	36
237	Physisorption, chemisorption and spill-over contributions to hydrogen storage. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 17442-17452	6.7	35
236	Combined Effect of Porosity and Surface Chemistry on the Electrochemical Reduction of Oxygen on Cellular Vitreous Carbon Foam Catalyst. <i>ACS Catalysis</i> , <b>2017</b> , 7, 7466-7478	13.1	35
235	Impact of synthesis conditions of KOH activated carbons on their hydrogen storage capacities. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 14278-14284	6.7	35
234	Electrochemical performances of hydrothermal tannin-based carbons doped with nitrogen. <i>Industrial Crops and Products</i> , <b>2015</b> , 70, 332-340	5.9	34
233	Systematic studies of tannin-formaldehyde aerogels: preparation and properties. <i>Science and Technology of Advanced Materials</i> , <b>2013</b> , 14, 015001	7.1	34
232	Factors influencing activated carbon-polymeric composite membrane structure and performance. <i>Journal of Physics and Chemistry of Solids</i> , <b>2004</b> , 65, 633-637	3.9	34
231	Ordered mesoporous carbons obtained by soft-templating of tannin in mild conditions. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 270, 127-139	5.3	34
230	Radiative properties of tannin-based, glasslike, carbon foams. <i>Carbon</i> , <b>2012</b> , 50, 4102-4113	10.4	33
229	Statistical Optimization of the Synthesis of Highly Microporous Carbons by Chemical Activation of Kraft Lignin with NaOH. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 2216-2221	2.8	33
228	Detection and quantification of lung cancer biomarkers by a micro-analytical device using a single metal oxide-based gas sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 391-400	8.5	33
227	Fabrication and characterisation of microporous activated carbon-based pre-concentrators for benzene vapours. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 132, 90-98	8.5	32
226	Hydrothermal carbons produced from tannin by modification of the reaction medium: Addition of H <sup>+</sup> and Ag <sup>+</sup> . <i>Industrial Crops and Products</i> , <b>2015</b> , 77, 364-374	5.9	31
225	Auto-Crosslinked Rigid Foams Derived from Biorefinery Byproducts. <i>ChemSusChem</i> , <b>2018</b> , 11, 2797-2809	8.3	31
224	Sucrose-based carbon foams with enhanced thermal conductivity. <i>Industrial Crops and Products</i> , <b>2016</b> , 89, 498-506	5.9	30
223	Numerical studies of the effects of process conditions on the development of the porous structure of adsorbents prepared by chemical activation of lignin with alkali hydroxides. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 486, 277-286	9.3	30

222	Modelling for the high-temperature sulphation of calcium-based sorbents with cylindrical and plate-like pore geometries. <i>Chemical Engineering Science</i> , <b>2000</b> , 55, 3665-3683	4.4	30
221	Design of carbon foams for seasonal solar thermal energy storage. <i>Carbon</i> , <b>2016</b> , 109, 771-787	10.4	28
220	Dielectric properties of graphite-based epoxy composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2014</b> , 211, 1623-1633	1.6	28
219	High-Rate Capability of Supercapacitors Based on Tannin-Derived Ordered Mesoporous Carbons. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17627-17635	8.3	27
218	Structure and properties of rigid foams derived from quebracho tannin. <i>Materials &amp; Design</i> , <b>2014</b> , 63, 208-212		27
217	Biomass-derived, thermally conducting, carbon foams for seasonal thermal storage. <i>Biomass and Bioenergy</i> , <b>2014</b> , 67, 312-318	5.3	27
216	Preparation and structural characterisation of model cellular vitreous carbon foams. <i>Carbon</i> , <b>2017</b> , 112, 208-218	10.4	27
215	Effect of pore geometry on the sintering of Ca-based sorbents during calcination at high temperatures. <i>Fuel</i> , <b>2004</b> , 83, 1733-1742	7.1	27
214	Physical meaning of the parameters used in fractal kinetic and generalised adsorption models of BrouersBotolongo. <i>Adsorption</i> , <b>2018</b> , 24, 11-27	2.6	26
213	Functionalized, hierarchical and ordered mesoporous carbons for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 6140-6148	13	26
212	Rice straw-based activated carbons doped with SiC for enhanced hydrogen adsorption. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 11534-11540	6.7	25
211	Latest progresses in the preparation of tannin-based cellular solids. <i>Journal of Cellular Plastics</i> , <b>2015</b> , 51, 89-102	1.5	25
210	High surface area microporous carbons as photoreactors for the catalytic photodegradation of methylene blue under UV <sub>A</sub> irradiation. <i>Applied Catalysis A: General</i> , <b>2016</b> , 517, 1-11	5.1	25
209	Characterization of materials toward toluene traces detection for air quality monitoring and lung cancer diagnosis. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 192, 374-382	4.4	24
208	Impact of depressurizing rate on the porosity of aerogels. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 152, 240-245	5.3	24
207	Modification of tannin based rigid foams using oligomers of a hyperbranched poly(amine-ester). <i>Journal of Polymer Research</i> , <b>2012</b> , 19, 1	2.7	24
206	Structure and properties of poly(furfuryl alcohol)-tannin polyHIPes. <i>European Polymer Journal</i> , <b>2016</b> , 78, 195-212	5.2	24
205	Electrical transport in carbon black-epoxy resin composites at different temperatures. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 033707	2.5	23



204	Exploiting the adsorption of simple gases O <sub>2</sub> and H <sub>2</sub> with minimal quadrupole moments for the dual gas characterization of nanoporous carbons using 2D-NLDFT models. <i>Carbon</i> , <b>2020</b> , 160, 164-175	10.4	23
203	The importance of electrode characterization to assess the supercapacitor performance of ordered mesoporous carbons. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 235, 1-8	5.3	23
202	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2015</b> , 57, 989-995	2	22
201	High added-value products from the hydrothermal carbonisation of olive stones. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 9859-9869	5.1	22
200	Porosity of resorcinol-formaldehyde organic and carbon aerogels exchanged and dried with supercritical organic solvents. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 129, 1221-1232	4.4	22
199	Highly microporous carbons prepared by activation of kraft lignin with KOH. <i>Studies in Surface Science and Catalysis</i> , <b>2007</b> , 160, 607-614	1.8	22
198	Hydrothermal pre-treatment, an efficient tool to improve activated carbon performances. <i>Industrial Crops and Products</i> , <b>2019</b> , 140, 111717	5.9	21
197	Towards Non-Mechanical Hybrid Hydrogen Compression for Decentralized Hydrogen Facilities. <i>Energies</i> , <b>2020</b> , 13, 3145	3.1	21
196	Advances in tailoring the porosity of tannin-based carbon xerogels. <i>Industrial Crops and Products</i> , <b>2016</b> , 82, 100-106	5.9	21
195	Ordered mesoporous carbons obtained from low-value coal tar products for electrochemical energy storage and water remediation. <i>Fuel Processing Technology</i> , <b>2019</b> , 196, 106152	7.2	20
194	Insulation rigid and elastic foams based on albumin. <i>Industrial Crops and Products</i> , <b>2012</b> , 37, 149-154	5.9	20
193	Biosourced mesoporous carbon with embedded palladium nanoparticles by a one pot soft-template synthesis: application to Suzuki reactions. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 12297-12306 <sup>12</sup>	12	20
192	Advanced Preparative Strategies for Activated Carbons Designed for the Adsorptive Storage of Hydrogen. <i>Adsorption Science and Technology</i> , <b>2007</b> , 25, 129-142	3.6	20
191	Utilization of Calcium Acetate and Calcium Magnesium Acetate for H <sub>2</sub> S Removal in Coal Gas Cleaning at High Temperatures. <i>Energy &amp; Fuels</i> , <b>1999</b> , 13, 440-448	4.1	20
190	A review of natural materials for solar evaporation. <i>Solar Energy Materials and Solar Cells</i> , <b>2021</b> , 219, 110814	6.4	20
189	Acoustic properties of model cellular vitreous carbon foams. <i>Carbon</i> , <b>2017</b> , 119, 241-250	10.4	19
188	Confrontation of various adsorption models for assessing the porous structure of activated carbons. <i>Adsorption</i> , <b>2019</b> , 25, 1673-1682	2.6	19
187	Electromagnetic properties of polyurethane template-based carbon foams in Ka-band. <i>Physica Scripta</i> , <b>2015</b> , 90, 094019	2.6	19

186	Conversion of Natural Tannin to Hydrothermal and Graphene-Like Carbons Studied by Wide-Angle X-ray Scattering. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 8692-701	2.8	19
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